BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work	:	**Modified Estimate for Improvements of Drains and Construction of Culverts in Hegadenagara Eastren 1st Main and Both side Cross Road in Ward No. 06 Byatarayanapura Sub Division**
Modified Estimated Cost	:	3986697.75
Job Code:		006-17-000035

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements of Drains and Construction of Culverts in Hegadenagara Eastren 1st Main and Both side Cross Road in Ward No. 06 Byatarayanapura Sub Division

							Estimate Cost Rs.		3986697.75	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	cum								
	Desilting of Drain									
	Hegadenagara Eastren Side 1st Main Right Side		1	292.00	0.40	0.35	40.88			
	Left Side		1	150.00	0.40	0.35	21.00			
	As per Approved Sch-B Qty 232.40						**61.88**	S R 86.92	**5378.61**	
	up to 125% Qty 290.50									
	Approved Schedule B Rate	86.92								
2	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum								
	Culverts		15	6.50	1.95	1.10	209.14			
	For Kerb Stone Hegadenagara Eastren Side 1st Main Right Side		1	292.00	0.30	0.25	21.90			
	Left Side		1	150.00	0.30	0.25	11.25			
	As per Approved Sch-B Qty 286.08						**242.29**	S R 86.92	**21059.63**	
	up to 125% Qty 357.60									
	Approved Schedule B Rate	86.92								
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-	Cum								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culverts								
	For Kerb Stone Hegadenagara Eastren Side 1st Main Right Side		15	6.50	1.95	0.15	28.52		
	Left Side		1	292.00	0.30	0.15	13.14		
			1	150.00	0.30	0.15	6.75		
	As per Approved Sch-B Qty 51.42						**48.41**	S R 5159.02	**249741.71**
	up to 125% Qty 64.28								
	Approved Schedule B Rate	5159.02							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		15X2	6.50	0.60	0.45	52.65		
	As per Approved Sch-B Qty 56.16						**52.65**	S R 4438.22	**233672.28**
	up to 125% Qty 70.20								
	Approved Schedule B Rate	4438.22							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	Sqm							
	Culverts		15X2	6.50	0.50	0.45	43.88		
	For SSM Drain Raising Course Hegadenagara Eastren Side 1st Main Right Side		1	292.00	0.50	0.50	73.00		
	Left Side		1	150.00	0.50	0.50	37.50		
	As per Approved Sch-B Qty 46.80						**154.38**		
	up to 125% Qty 58.50						**58.50**	S R 5305.30	**310360.05**
	above 125% Qty						**95.88**	S R 5305.30	**508645.64**
	Approved Schedule B Rate	5305.30							
6	centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	Sqm							
	Culverts		15	6.50	0.60		58.50		
	For Sides		15X2	6.50	0.23		44.85		
			15X2	1.65	0.23		11.39		
	As per Approved Sch-B Qty 122.38						**114.74**	S R 271.36	**31134.49**
	up to 125% Qty 153.00								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Schedule B Rate	271.36							
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	cum							
	Culverts		15X2	6.50	0.50	0.15	14.63		
	Vent Bed		15	6.50	0.60	0.15	8.78		
	For SSM Drain Coaping Hegadenagara Eastren Side 1st Main Right Side		1	292.00	0.50	0.15	21.90		
	Left Side		1	150.00	0.50	0.15	11.25		
	For Drain Vent Concrete Hegadenagara Eastren Side 1st Main Right Side		1	292.00	0.60	0.10	17.52		
	Left Side		1	150.00	0.60	0.10	9.00		
	As per Approved Sch-B Qty 33.44						**83.07**		
	up to 125% Qty 41.80						**41.80**	S R 5598.92	**234034.86**
	above 125% Qty						**41.27**	S R 5598.92	**231067.43**
	Approved Schedule B Rate	5598.92							
8	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							
	Culverts		15X2	6.50		0.50	97.50		
	For SSM Drain Hegadenagara Eastren Side 1st Main Right Side		1	292.00		0.50	146.00		
	Left Side		1	150.00		0.50	75.00		
	As per Approved Sch-B Qty 104.00						**318.50**		
	up to 125% Qty 130.00						**130.00**	S R 102.82	**13366.60**
	above 125% Qty						**188.50**	S R 102.82	**19381.57**
	Approved Schedule B Rate	102.82							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	Culverts		15	6.50	1.65	0.23	37.00		
	As per Approved Sch-B Qty 39.47						**37.00**	S R 6371.66	**235759.38**
	up to 125% Qty 49.34								
	Approved Schedule B Rate	6371.66							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17	Tone							
	0.95 Ton/Cum		0.090	37.00			**3.33**		
	As per Approved Sch-B Qty 3.55						**3.33**	S R 59413.00	**197851.97**
	up to 125% Qty 4.44								
	Approved Schedule B Rate	59413.00							
11	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	For Raising Course Drain Hegadenagara Eastren Side 1st Main Right Side		1	292.00	1.20		350.40		
	Left Side		1	157.00	1.20		188.40		
	As per Approved Sch-B Qty 775.80						**538.80**	S R 1856.67	**1000373.80**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	up to 125% Qty 969.75								
	Approved Schedule B Rate	1856.67							
	eft								
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				304.17		
	As per Approved Sch-B Qty 518.48						304.17	S R 73.12	22240.73
	up to 125% Qty 648.10								
	Approved Schedule B Rate	73.12							
	Extra Items								
13	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm							
	Hegadenagara Eastren Side 1st Main Right Side		1	292.00			292.00		
	Left side		1	150.00			150.00		
				l e 442.0 /0.45			442.00		
							982.22	331.78	325882.00
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	331.78							
14	KSRB 15-17.5: Applying **priming coat** over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	Sqm							
	Hegadenagara Eastren Side 1st Main Right Side		1	292.00		0.30	87.60		
	Left side		1	150.00		0.30	45.00		
							132.60	43.46	5763.00
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	43.46							
15	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Hegadenagara Eastren Side 1st Main Right Side		1	292.00		0.30	87.60		
	Left side		1	150.00		0.30	45.00		
							132.60	89.04	11807.00
	Basic Rate	84.00							
	Area Weightage @ 6%	5.04							
	Total	89.04							
							Grand Total		3657520.75
16	For 8% KRIDL Charges								292602.00
17	For 1% Labour Cess								36575.00
									3986697.75
#NAME?									

1 **Estimate Sanction amount Rs = 4000000.00**

2 **Tender Agriment Amount Rs 3989716.00**

Assistant Engineer
Ward No. 06 (Thanisandra)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
10/12

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
10/12

Technical Sanction
Accorded For Rs 3986697.75/-
Head of A/C 13176
CER NO :TS/01/15-16 **Dt:** 13.12.15

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CE (YNK)